

Notice of Allowability	Application No.	Applicant(s)
	09/527,343	GIORGETTA ET AL.
	Examiner	Art Unit
	Robert W. Wilson	2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 8/1/05.
2. The allowed claim(s) is/are 19-31 (Re# 1-9).
3. The drawings filed on 7/17/2000 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____


BOB PHUNKULH
PRIMARY EXAMINER

Allowable Subject Matter

1.0 The present invention is directed to a decoder which reads a first arrangement of sync bits and organizes a frame into a header and data. Next the decoder reads a subset of the sync bits or 0-m bits which are in the first arrangement of sync bits. Based upon the selected 0-m bits a determination as to the content of the sync bits in the header is determined.

The closest prior art is Ikemura (U.S. Patent No.: 5,400,369). Ikemura teaches a decoder that is trying to determine a frame structure by finding the synchronization bits. The decoder determines the frame structure by selecting 16 bits of the received structure. Next 9 windows are searched varying from bits 0 –7, 1-8, ..., and finally 8-15 and the value in one of these windows is compared to the value of the expected sync word. When the sync word is found the structure of the frame is then known,

The closest prior art Ikemura (U.S. Patent No.; 5,400,369) does not disclose anticipate or render obvious the following claim limitations:

“the decoder having a second input for selecting the first arrangement of the synchronization bits to be read by selecting a number of synchronization bits in the range from zero to m bits. Selecting the bit position of the synchronization bits in the header section, and selecting the content of each synchronization bit in the header section” as claimed in claim 19.

“the decoder having a second input to select the first arrangement synchronization bits to be read” as claimed in claim 29.

In addition:

Claims 23-28 are allowed because they depend upon claim 19.

Claim 31 is allowed because it depends upon claim 29.

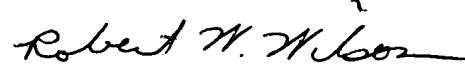
Conclusion

2.0 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert W. Wilson whose telephone number is 571/272-3075.

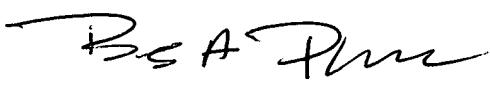
The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T. Nguyen can be reached on 571/272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571/272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Robert W. Wilson
Examiner
Art Unit 2661



BOB PHUNKULH
PRIMARY EXAMINER

RWW
8/18/05